



16698 U.S. PTO

## PATENT APPLICATION TRANSMITTAL LETTER

TO: Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

GE Case No. 24GA127098  
Atty Docket No. 8564-000032/US  
Express Mail Label No.: N/A

Transmitted herewith for filing under

35 USC 111(a) and 37 CFR 1.53(b) (NEW UTILITY OR DESIGN PATENT APPLICATION)  
as a new: ☒ utility or ☐ design patent application

for application entitled:

**AXIALLY SEGREGATED PART-LENGTH FUEL RODS IN A REACTOR FUEL BUNDLE**

and invented by: **LUKAS TROSMAN; CARRY L. KUNZ; RUSSELL E. STACHOWSKI;  
RUSSELL M. FAWCETT; SHINGO FUJIMAKI; DAISUKE GOTO**

Enclosed are:

1. ☒ Specification with 20 total pages having:
  - a. ☒ Claims numbered from 1 to 20
  - b. ☒ Abstract
  - c. ☒ Drawing (s) (35 USC 113) as follows:
    - (1) ☒ Formal ☐ Informal
  - d. ☒ Total sheets – 3 with Figures No. 1 to 5
  - ☒ Oath or Declaration with 5 total pages as follows:
    - (1) ☒ Newly executed and signed ☐ Unsigned
    - (2) ☐ Copy from prior application (37 CFR 1.63d) Serial No. filed on
    - (3) ☒ With Power of Attorney ☐ Without Power of Attorney
2. ☒ Assignment (Coversheet and documents)
3. ☐ Preliminary Amendment
4. ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized)
5. ☐ Application Data Sheet
6. ☐ Information Disclosure Statement  
☐ PTO-1449 ☐ Copies of Cited Documents
7. ☐ Certified Copy of Priority Document
8. ☐ Nonpublication Request under 35 USC 122(b)(2)(B)(i) Applicant must attach form PTO/5B/35 or its equivalent
9. ☒ Additional Enclosures as follows:
  - a. ☒ Property Rights Statement
  - b. ☐

10. If a continuation or divisional application:  
☐ continuation ☐ division ☐ continuation-in-part of prior application Serial No. filed on:  
☐ Cancel in this application original claims of the prior application before calculating the filing fee (at least one independent claim must be retained for filing purposes)  
☐ Amend the specification by inserting before the first line: This application is a application Serial No. filed on which is hereby incorporated by reference in its entirety.  
☐ Prior application information: Examiner Group Art Unit

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 1 d (2), is considered a part of the

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disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

11. ☒ Filing fee calculated and transmitted:  
a. ☒ utility patent application filing fee as described below for the claims as filed less any canceled above
- Large Entity
- | For                                 | No. Filed | No. Extra | Rate      | Fee              |
|-------------------------------------|-----------|-----------|-----------|------------------|
| Basic                               |           |           |           | \$ 770.00        |
| Total Claims                        | 20 - 20 = | 0         | x \$ 18 = | \$ 0.00          |
| Ind. Claims                         | 3 - 3 =   | 0         | x \$ 86 = | \$ 0.00          |
| Mult. Dep. <input type="checkbox"/> |           |           | + \$280 = | \$ 0.00          |
| <b>Total Filing Fee</b>             |           |           |           | <b>\$ 770.00</b> |
- b. ☐ design patent application filing fee of \$330.00  
c. ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-0750 as described below. A duplicate copy of this sheet is enclosed.
- (1) Charge the amount of ☐ \$330.00 ☐ \$740.00 ☐ \$  
for the filing fee.
- (2) ☒ Credit any overpayment.  
(3) ☒ Charge any additional filing fees required under 37 CFR 1.16 and 1.17.  
(4) ☐ Charge the Issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
- d. ☒ A check in the amount of \$810.00 for the filing fee(including recordation fee, \$40.00) is enclosed.

Date: December 31, 2003

Attorney Name Gary D. Yacura

Reg. No. 35,416

Attorney Signature

Harness, Dickey & Pierce, P.L.C.

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12. Correspondence Address

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 as Express Mail No. on and is addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, DC 20231.

Name

Date

Signature: \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lukas TROSMAN et al. Art Unit: Not Yet Assigned

Serial No: Not Yet Assigned

Filed:

For: **AXIALLY SEGREGATED PART-LENGTH FUEL RODS IN A  
REACTOR FUEL BUNDLE**

**PROPERTY RIGHTS STATEMENT**

Honorable Commissioner of Patents and Trademarks

**Attn: Licensing and Review**

Washington, D.C. 20231

I, **LUKAS TROSMAN**, a citizen of the United States of America, residing at  
Wilmington, NC and employed by GNFA respectively, declare:

I, **CARY L. KUNZ**, a citizen of the United States of America, residing at  
Wilmington, NC and employed by GNFA respectively, declare:

I, **RUSSELL E. STACHOWSKI**, a citizen of the United States of America, residing  
at Wilmington, NC and employed by GNFA respectively, declare:

I, **RUSSELL M. FAWCETT**, a citizen of the United States of America, residing at  
Atkinson, NC and employed by GNFA respectively, declare:

I, **SHINGO FUJIMAKI**, a citizen of Japan, residing at Yokohama-Shi, Japan, and  
employed by GNFI respectively, declare:

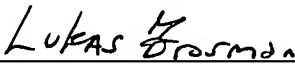
I, **DAISUKE GOTO**, a citizen of Japan, residing at Kamakura-shi, Japan and  
employed by GNFI respectively, declare

1. That I made and conceived the invention described and claimed in the above-identified patent application.
2. That I made and conceived this invention while employed by Global Nuclear Fuel – Americas, LLC (GNFA) or Global Nuclear Fuel – Japan Co., Ltd. (GNFI) as indicated above. That the invention is related to the work I am employed to

perform and was made within the scope of my employment duties; That the invention was made during working hours with the use of facilities, equipment, materials, funds, information and services of GNFA or GNFI as indicated above.

3. That to the best of my knowledge and belief, the invention was not made or conceived in the course of, or in connection with, or under the terms of any contract, subcontract or arrangement entered into with or for the benefit of the United States Atomic Energy Commission or its successors: Energy Research and Development Administration or the Department of Energy.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Inventor's Signature:   
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